Amendments to the Claims

Claim 1 (Currently amended): A method of reducing power requirement of a front end device in a receiver, comprising the steps of:

measuring a received signal strength (RSS) of a signal received at an antenna;

comparing the received signal strength to a predetermined threshold; and

bypassing a filter and an amplifier in the front end if the received signal strength is greater than said <u>predetermined</u> threshold.

Claim 2 (Currently amended): The method according to Claim 1, wherein said predetermined threshold is -90.5 90.5 dBm.

Claim 3 (Currently amended): The method according to Claim 1, wherein said <u>predetermined</u> threshold comprises a minimum signal strength capable of being processed by electronics coupled to an output of said front end less strength of amplification by an <u>Low Noise Amplifier (LNA)</u> LNA of said front end.

Claim 4 (Original): The method according to Claim 1, further comprising the step of:

powering down said amplifier if the amplifier is powered up and the received signal strength is greater than said threshold.

Claim 5 (Original): The method according to Claim 1, wherein: said front end comprises,

a Low Noise Amplifier (LNA) having an LNA input coupled to a

signal source and an LNA output,

a filter having an input coupled to the LNA output and a filter output,

an amplifier having an amplifier input coupled to the filter output and an amplifier output, and

a bypass circuit comprising a bypass switch coupled between the input of the filter and the amplifier output; and said step of bypassing comprises closing the bypass switch.

Claim 6 (Currently amneded): The method according to Claim 5 [[1]], wherein said <u>predetermined threshold bypass</u> point comprises a minimum recognizable signal strength plus an amount of power representing error in RSS measurement and signal strength losses less an amount of amplification of the LNA.

Claim 7 (Currently amended): The method according to Claim 6, wherein said minimum recognizable signal strength is a weakest signal capable of being processed by electronics coupled to a said mixer output.

Claim 8 (Original): The method according to Claim 6, wherein said minimum recognizable signal strength is -106 dBm.

Claim 9 (Currently amended): The method according to Claim 1, wherein:

said method is embodied in a set of computer instructions stored on a computer readable media;

said <u>set of</u> computer instructions, when loaded into a computer, cause the computer to perform the steps of said method.

Claim 10 (Currently amended): The method according to Claim 9 [[8]], wherein said set of computer instruction are compiled computer instructions stored as an executable program on said computer readable media.

Claim 11 (Original): The method according to Claim 1, wherein said method is embodied in a set of computer readable instructions stored in an electronic signal.

Claim 12 (Currently amended): A front end architecture, comprising:

- a Low Noise Amplifier (LNA) having an LNA input and an LNA output, said LNA input coupled to a signal source, wherein the signal source corresponds to a signal received at an antenna;
- a filter having an input coupled to the LNA output and a filter output;
- an radio frequency (RF) RF amplifier having an RF amplifier input coupled to the filter output and an RF amplifier output;
- a first bypass circuit coupled between the input of the filter and the RF amplifier output and configured to bypass the filter and RF amplifier; and
- a control device configured to activate and deactivate the first bypass circuit.

Claim 13 (Currently amended): The front end according to Claim 12, wherein the first bypass circuit comprises a switch coupled between the input of the filter and the <u>radio frequency</u> (RF) RF amplifier output.

Claim 14 (Currently amended): The front end according to

Claim 13, wherein said switch is a Single Pole Single Throw SPST.

Claim 15 (Original): The front end according to claim 13, wherein said switch is a transistor.

Claim 16 (Currently amended): The front end according to Claim 12, further comprising:

a signal detector coupled to said signal source and configured to determine a received signal strength (RSS) (RSSI) of a signal from said signal source;

wherein said control device is further configured to activate and deactivate the first bypass circuit according to the RSS RSSI of the signal from said signal source.

Claim 17 (Canceled)

Claim 18 (Original): The front end architecture according to Claim 12, further comprising:

a second bypass circuit coupled between the LNA input and the LNA output;

wherein said control circuit is further configured to activate and deactivate the second bypass circuit.

Claim 19 (Currently amended): The front end architecture according to Claim 18, wherein the first bypass circuit is activated if a received signal strength (RSS) an RSSI of a received signal is greater than a first threshold, and the second bypass circuit is activated if the RSSI exceeds a second threshold.

Claim 20 (Original): The front end device according to Claim 19, wherein the second threshold is higher than the first threshold.

Claim 21 (Currently amended): The front end architecture according to Claim 18, wherein the second bypass circuit is activated if the received signal strength (RSS) an RSSI of a received signal is greater than a first threshold, and the first bypass circuit is activated if the the received signal strength (RSS) an RSSI exceeds a second threshold higher than the first threshold.

Claim 22 (Currently amended): A front end device, comprising:

means for measuring a received signal strength (RSS) of a signal received at an antenna;

means for comparing the received signal strength to a predetermined threshold; and

means for bypassing a filter and an amplifier in the front end if the received signal strength is greater than said predetermined threshold.

Claim 23 (Original): The front end device according to Claim 22, wherein said means for comparing comprises:

a computing means coupled to said means for measuring and said means for bypassing.

Claim 24 (Canceled)

Claim 25 (Currently amended): The front end according to

Claim 22 [[12]], further comprising

a means for low noise amplification (LNA) coupled to a signal source;

a filter means coupled to an output of the LNA; and an amplifier means coupled to an output of the filter means; wherein said means for bypassing is coupled to comprises a owitching means an input of the filter means and an output of the amplifier means.